

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A cosmetic composition comprising a bioactive system that combines, firstly, a stable form, in aqueous solution, of ATP (adenosine triphosphate) with, optionally, an ATP precursor, ~~for example Gp₄G (diguanosine tetraphosphate) or Ap₄A (diadenosine tetraphosphate)~~ and, secondly, at least one biomimetic peptide comprising at most six amino acids, that mimics a cutaneous polypeptide or a cutaneous protein, or a biomolecule that is an agonist or antagonist with respect to said polypeptide or to said protein.
2. (Currently Amended) The composition as claimed in claim 1, ~~characterized in that wherein~~ the stable form of ATP is a sodium salt of ATP, ~~for example a disodium salt.~~
3. (Original) The composition as claimed in claim 1, characterized in that the biomimetic peptide is functionally active in the biosynthesis of a structural molecule of the skin, or of an enzyme present in the skin.
4. (Currently Amended) The composition as claimed in claim 1, ~~characterized in that wherein~~ the biomimetic peptide is functionally active in the transfer of information in the skin, and is, ~~for example,~~ a biologically active fraction of a hormone or cytokine present in the skin.
5. (Original) The composition as claimed in claim 1, characterized in that the biomimetic peptide is chosen from the group consisting of histidine- β -alanyl, the peptide R-Gly-Gln-Pro-Arg, the peptide Tyr-Arg, the peptide R-Lys-Thr-Thr-Lys-Ser, N-acetyl-Tyr-Arg-R, the peptide Lys-Thr-Thr-Lys-Ser, the peptide Ala-Arg-His-Leu-Phe-Tyr (or alpha-MSH), and the peptide Gly-Gln-Asp-Pro-Val-Lys (or elafin); R being any amino acid.
6. (Original) The composition as claimed in claim 1, characterized in that the biomimetic peptide is a dipeptide.

7. (Original) The composition as claimed in claim 6, characterized in that the dipeptide corresponds to the formula Arg-R or His-R, in which R is any amino acid.
8. (Withdrawn) The composition as claimed in claim 6, characterized in that the dipeptide is in the form of an oligomer, of formula (R-R)_n, with $1 < n < 3$.
9. (Withdrawn) The composition as claimed in claim 8, characterized in that the dipeptide corresponds to the formula (Arg-Lys)_n, with $1 < n < 3$.
10. (Withdrawn) The composition as claimed in claim 1, characterized in that the biomimetic peptide is a tripeptide.
11. (Withdrawn) The composition as claimed in claim 10, characterized in that the tripeptide is Gly-His-Lys or Gly-Glu-Pro.
12. (Withdrawn) The composition as claimed in claim 1, characterized in that the biomimetic peptide is a tetrapeptide.
13. (Withdrawn) The composition as claimed in claim 12, characterized in that the tetrapeptide is Leu-Pro-Thr-Val or Lys-Thr-Ser-R or Gly-Glu-Pro-R; R being any amino acid.
14. (Withdrawn) The composition as claimed in claim 1, characterized in that the biomimetic peptide is a pentapeptide, for example Val-Ala-Lys-Leu-R; R being any amino acid.
15. (Withdrawn) The composition as claimed in claim 1, characterized in that the biomimetic peptide is a hexapeptide.
16. (Withdrawn) The composition as claimed in claim 15, characterized in that the biomimetic peptide is Ala-R₁-R₂-R₃-Phe-Try, with R₁, R₂ and R₃ each equal to any amino acid.
17. (Currently Amended) The composition as claimed in claim 1, ~~characterized in that it~~ wherein the composition further comprises an amino acid, ~~for example~~ chosen from the

group consisting of creatine, decarboxy carnosine, and ~~a glutamine, for example~~ N-acetylglutamine.

18. (Currently Amended) The composition as claimed in claim 1, ~~characterized in that it comprises~~ further comprising a protein, ~~for example~~ chosen from the group consisting of superoxide dismutase, endonucleases, photolyase and cytokines from milk.

19. (Currently Amended) The composition as claimed in claim 1, ~~characterized in that wherein~~ the bioactive system represents at most 10%, ~~and preferably between 1% and 10⁷%~~, by weight of said composition.

20. (Currently Amended) The composition as claimed in claim 1, ~~characterized in that wherein~~ it further comprises at least one cosmetic active principle potentiated by the bioactive system selected from the group consisting of a mimicry of an α -MSH, a mimicry of an α -MSH antagonist, a substance P antagonist, a CGRP peptide antagonist, and a bradykinin antagonist.

21. (Original) The composition as claimed in claim 1, characterized in that it is in the form of a water-in-oil or oil-in-water emulsion, the bioactive system being included in the aqueous phase.

22. (Currently Amended) The composition as claimed in claim 1, ~~characterized in that wherein~~ the bioactive system, the ATP and, optionally, the ATP precursor represent at most 10%, ~~and preferably between 0.01% and 5%~~, by weight of said composition.

23. (New) The composition as claimed in claim 1, wherein the cosmetic composition comprises an ATP precursor selected from the group consisting of Gp₄G (diguanosine tetraphosphate) and Ap₄A (diadenosine tetraphosphate).

24. (New) The composition as claimed in claim 1, wherein said sodium salt of ATP is a disodium salt.

25. (New) The composition as claimed in claim 19, wherein the bioactive system

represents between 1% and $10^{-7}\%$ by weight of said composition.

26. (New) The composition as claimed in claim 22, wherein the bioactive system, the ATP and, optionally, the ATP precursor represent between 0.01% and 5%, by weight of said composition.

27. (New) The composition as claimed in claim 1, wherein the stable form of ATP is a sodium salt of ATP and the biomimetic peptide is histidine- β -alanyl.